



SEQUENCE LISTING

<1> Chalifour, Robert
Hebert, Lise
Kong, Xianqi
Gervais, Francine

<120> VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
AND AMYLOID RELATED DISEASES

<130> 50291/004002

<140> 10/825,958

<141> 2004-04-16

<150> 09/724,842

<151> 2000-11-28

<150> 60/168,594

<151> 1999-11-29

<160> 63

<170> PatentIn Ver. 2.1

<210> 1

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 1

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 2

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 2

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 3

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 3

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met
35

<210> 4

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 4

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 5

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 5

Asp Ala Glu Phe Arg His Asp
1 5

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 6
Tyr Glu Val His His Gln Lys
1 5

<210> 7
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 7
Lys Leu Val Phe Phe Ala
1 5

<210> 8
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 8
Val Gly Gly Val Val Ile Ala
1 5

<210> 9
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 9
Lys Ile Val Phe Phe Ala
1 5

<210> 10
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 10
Lys Lys Leu Val Phe Phe Ala
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 11
Lys Phe Val Phe Phe Ala
1 5

<210> 12
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 12
Ala Phe Phe Val Leu Lys
1 5

<210> 13
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 13
Lys Leu Val Phe
1

<210> 14
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 14
Lys Ala Val Phe Phe Ala
1 5

<210> 15
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 15
Lys Leu Val Phe Phe
1 5

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 16
Lys Val Val Phe Phe Ala
1 5

<210> 17
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 17

Lys Ile Val Phe Phe Ala
1 5

<210> 18
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 18
Lys Leu Val Phe Phe Ala
1 5

<210> 19
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 19
Lys Phe Val Phe Phe Ala
1 5

<210> 20
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 20

Ala Phe Phe Val Leu Lys
1 5

<210> 21
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (4)
<223> AMIDATION

<400> 21
Lys Leu Val Phe
1

<210> 22
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 22
Lys Ala Val Phe Phe Ala
1 5

<210> 23
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (5)
<223> AMIDATION

<400> 23

Lys Leu Val Phe Phe
1 5

<210> 24
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 24
Lys Val Val Phe Phe Ala
1 5

<210> 25
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 25
Lys Leu Val Phe Phe Ala Glu
1 5

<210> 26
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (7)
<223> AMIDATION

<400> 26
Lys Leu Val Phe Phe Ala Glu
1 5

<210> 27

<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 27

His His Gln Lys Leu Val Phe Phe Ala Glu
1 5 10

<210> 28

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 28

Asp Asp Asp
1

<210> 29

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 29

Lys Val Asp Asp Gln Asp
1 5

<210> 30

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 30

His His Gln Lys
1

<210> 31

<211> 2

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (2)
<223> CH₂CH₂SO₃H attached at the n-terminus

<400> 31
Phe Phe
1

<210> 32
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (2)
<223> CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 32
Phe Phe
1

<210> 33
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (2)
<223> CH₂CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 33
Phe Phe
1

<210> 34
<211> 2

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (2)
<223> CH₂CH₂SO₃H attached at the n-terminus

<400> 34
Phe Tyr
1

<210> 35
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (2)
<223> CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 35
Phe Tyr
1

<210> 36
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (2)
<223> CH₂CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 36
Phe Tyr
1

<210> 37
<211> 2

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2 attached at the c-terminus

<400> 37
Phe Phe
1

<210> 38
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 38
Phe Phe
1

<210> 39
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 39
Phe Phe
1

<210> 40
<211> 2

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2 attached at the c-terminus

<400> 40
Phe Tyr
1

<210> 41
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 41
Phe Tyr
1

<210> 42
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 42
Phe Tyr
1

<210> 43
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2 attached at the c-terminus

<400> 43
Leu Val Phe Phe Ala
1 5

<210> 44
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 44
Leu Val Phe Phe Ala
1 5

<210> 45
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (1)
<223> HO3SCH2CH2CH2CH2 attached at the c-terminus

<400> 45
Leu Val Phe Phe Ala
1 5

<210> 46
<211> 5

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (5)

<223> CH₂CH₂SO₃H attached at the n-terminus

<400> 46

Leu Val Phe Phe Ala
1 5

<210> 47

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (5)

<223> CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 47

Leu Val Phe Phe Ala
1 5

<210> 48

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (5)

<223> CH₂CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 48

Leu Val Phe Phe Ala
1 5

<210> 49

<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 49

Lys Leu Val Trp Phe Ala
1 5

<210> 50

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 50

Lys Leu Val Phe Trp Ala
1 5

<210> 51

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 51

Lys Leu Val Trp Trp Ala
1 5

<210> 52

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 52

Lys Leu Val Tyr Phe Ala
1 5

<210> 53

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 53

Lys Leu Val Phe Tyr Ala
1 5

<210> 54

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 54

Lys Leu Val Tyr Tyr Ala
1 5

<210> 55

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (4)

<223> Xaa is thienylalanine

<400> 55

Lys Leu Val Xaa Phe Ala
1 5

<210> 56

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (5)

<223> Xaa is thienylalanine

<400> 56
Lys Leu Val Phe Xaa Ala
1 5

<210> 57
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (4)..(5)
<223> Xaa is thienylalanine

<400> 57
Lys Leu Val Xaa Xaa Ala
1 5

<210> 58
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (4)
<223> Xaa is cyclohexylalanine

<400> 58
Lys Leu Val Xaa Phe Ala
1 5

<210> 59
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>
<221> MOD_RES
<222> (5)
<223> Xaa is cyclohexylalanine

<400> 59

Lys Leu Val Phe Xaa Ala
1 5

<210> 60

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (4)..(5)

<223> Xaa is cyclohexylalanine

<400> 60

Lys Leu Val Xaa Xaa Ala
1 5

<210> 61

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (4)

<223> Xaa is phenylglycine

<400> 61

Lys Leu Val Xaa Phe Ala
1 5

<210> 62

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (5)

<223> Xaa is phenylglycine

<400> 62

Lys Leu Val Phe Xaa Ala
1 5

<210> 63

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

<221> MOD_RES

<222> (4)..(5)

<223> Xaa is phenylglycine

<400> 63

Lys Leu Val Xaa Xaa Ala
1 5